

# Notice of Allowability

Application No.

10/020,766

Applicant(s)

MURAO ET AL.

Examiner

Angel R. Estrada

Art Unit

2831

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed on September 18, 2003.
2. ☒ The allowed claim(s) is/are 1-9 and 11-19.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☒ including changes required by the proposed drawing correction filed 18 September 2003, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____             |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____  | 7 <input type="checkbox"/> Examiner's Amendment/Comment                             |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other  |

**DETAILED ACTION**

***Allowable Subject Matter***

- AR 12/11/03 1. Claims <sup>1-9 and 11-19</sup> ~~1-9~~ are allowed.  
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The following is an examiner's statement of reasons for allowance: The primary reasons for the indication of the allowability of claims 1-9 and 11-19 are:

AR 12/11/03 Regarding claims 1-9 is the inclusion therein in combination as currently claimed of the limitation of a method of making magnetrons comprising the step of forming a predetermined number of projection<sup>s</sup> projecting inwardly from said thin end section of said anode cylinder, whereby said metal container is loosely secured; and tightly welding said thin end section with said metal container.

Regarding claims 11-17 is the inclusion therein in combination as currently claimed of the limitation of a method of making magnetrons comprising the step of forming a substantially ring-shaped projection, projecting inwardly from said thin end section of said anode cylinder, whereby said metal container is loosely secured; and tightly welding said thin end section with said metal container.

Regarding claim 18 is the inclusion therein in combination as currently claimed of the limitation of a method of making magnetrons comprising the step of forming a predetermined number of projections projecting inwardly from said thin end section of said anode cylinder before said metal container is installed; loosely securing said metal container by pushing said outer perimeter bend of said metal container into said predetermined number of projections; and tightly welding said thin end section with said metal container.

Regarding claim 19 is the inclusion therein in combination as currently claimed of the limitation of a method of making magnetrons comprising the step of forming a substantially ring shaped projection before said metal container is installed, projecting inwardly from said thin end section of said anode cylinder; loosely securing said metal container by pushing said outer perimeter bend of said metal container into said ring-shaped projection; and tightly welding said thin end section with said metal container.

These limitations were found in claims 1-9 and 11-19, and are neither disclosed nor taught by the prior art of record, alone or in combination.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Response to Arguments***

2. Applicant's arguments, see Amendment, filed September 18, 2003, with respect to claims 1-9 and 11-17 have been fully considered and are persuasive. The rejection of claims 1-9 and 11-17 has been withdrawn.

In response to the applicants arguments, the Examiner agrees that neither the combination of the applicant's admitted prior art and Opprecht et al (US 4,495,397) nor the cited prior art disclose, teach or suggest a method for fabricating a magnetron having the step of forming a predetermined number of projection projecting inwardly

from said thin end section of said anode cylinder, whereby said metal container is loosely secured; and tightly welding said thin end section with said metal container.

**Conclusion**


3. Any inquiry concerning this communication should be directed to Angel R. Estrada at telephone number (703) 305-0853. The Examiner can normally be reached on Monday-Friday (8:30 -5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on (703) 308-3682. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

AE

December 8, 2003

 12/11/03  
DEAN A. REICHARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800